High Mountain Dams in Bonneville Unit,
Teapot Lake Dam (Lost Lake No. 2 Dam)
Wasatch National Forest
0.25.4 miles west of Lost Creek Campground
Kamas vicinity
Summit County
Utah

HAER No. UT-41-K

HAER
UTAH,
22-KAM.V,
1-K-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
Rocky Mountain Regional Office
National Park Service
U.S. Department of the Interior
P.O. Box 25287
Denver, Colorado 80537

HAER
UTAH
22-KAM.V,
1-K-

HISTORIC AMERICAN ENGINEERING RECORD

High Mountain Dams in Bonneville Unit, Teapot Lake Dam

HAER No. UT-41-K

Location:	0.2 miles west of Lost Creek Campground, Wasatch National Forest Kamas vicinity, Summit County, Utah UTM: 12.504880.4503110 Quad: Mirror Lake
Date of Construction:	1935
Builder/Designer:	Provo Reservoir Company
Present Owner:	Union Reservoir Company, Heber City, Utah 84032
Original Use:	Dam
Present Use:	Dam
Significance:	Teapot Lake is one of several lakes in the upper Provo River drainage impounded by the Provo Reservoir Company using previously granted water rights (1909, in this instance). The dam and secondary dike have the sloped profiles and steel outlet mechanism that characterize them as representative earth-fill water retention structures in the Bonneville Unit of the Central Utah Project.
Inventoried by:	Clayton Fraser and James Jurale Fraserdesign Loveland, Colorado October 16, 1985

HISTORICAL INFORMATION

On September 28, 1934, the Provo Reservoir Company submitted an application for special use permit to impound water on Teapot Lake for irrigation storage. The fifth smallest among the fifteen reservoired lakes in the upper Provo River drainage, Teapot was characterized by a gently sloping shoreline with grassy meadows and coniferous forests. The application was approved in 1934 by the Forest Service, and that year the irrigation company constructed two dams across the natural outlets on the east edge of the lake. The dams feature typical small-scale construction: compacted earth core with 18" stone riprap facing on the sloped upstream and downstream sides. The northern dam contains the outlet -- a 12" diameter corrugated steel pipe with a 12" Hardesty No. 100 headgate. It is proposed that the dam be reconstructed, with a concrete spillway installed to lower the level of the lake.

ARCHITECTURAL INFORMATION

Dam length:	120 feet
Dam height:	8 feet
Dam width:	6 feet
Construct:	Earth fill dam with stone riprap facing
Lake size:	12.7 acres; 209 acre-foot maximum capacity; 2 vertical foot maximum drawdown
Outlet:	Gated pipe

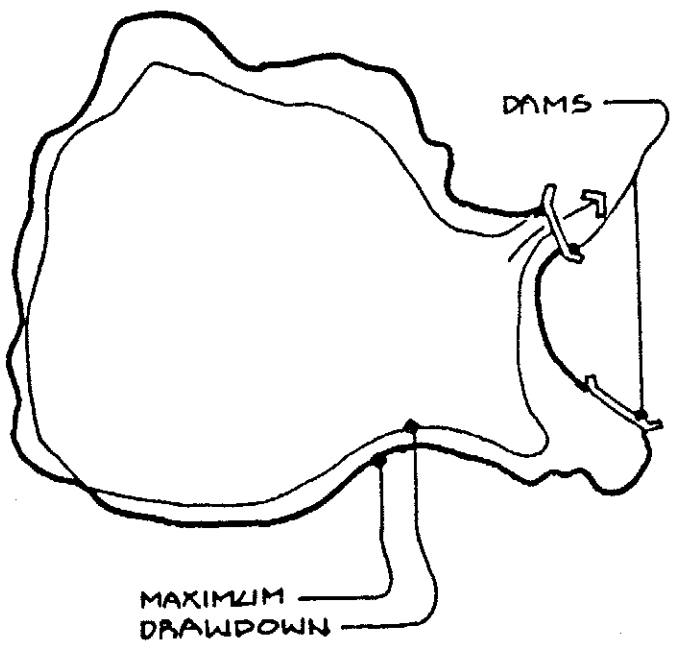
BIOGRAPHICAL INFORMATION

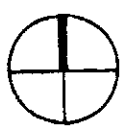
"Preliminary Engineering Report: Stabilization of High Mountain Lakes, Provo River Drainage, National Forest Service Report, 1969, page 54.

Teapot Lake Reservoir File #16-1, Kamas Ranger Station, Wasatch National Forest, Kamas, Utah.

Field inspection by Clayton Fraser, July 23, 1985.

For additional information, see Irrigation Canals in the Uinta Basin, HAER No. UT-30.





SCALE: 1" = 400'